



[Go to Product page](#)

Datasheet for ABIN952770  
**anti-HOPX antibody (C-Term)**

2 Images

Overview

Quantity:	0.4 mL
Target:	HOPX
Binding Specificity:	AA 46-73, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOPX antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 46-73 amino acids from the C-terminal region of human Homeodomain-only protein / HOP
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Homeodomain-only protein / HOP (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	HOPX
Alternative Name:	Homeodomain-Only Protein / HOP ( <a href="#">HOPX Products</a> )
Background:	The protein encoded by this gene is a homeodomain protein that lacks certain conserved

## Target Details

---

residues required for DNA binding. It was reported that choriocarcinoma cell lines and tissues failed to express this gene, which suggested the possible involvement of this gene in malignant conversion of placental trophoblasts. Studies in mice suggest that this protein may interact with serum response factor (SRF) and modulate SRF-dependent cardiac-specific gene expression and cardiac development. Multiple alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq].Synonyms: HOD, HOPX, LAGY, Lung cancer-associated Y protein, NECC1, Not expressed in choriocarcinoma protein 1, OB1, Odd homeobox protein 1

---

Molecular Weight: 8260 Da

---

Gene ID: 84525

---

NCBI Accession: [NP\\_001138931](#)

---

Pathways: [Regulation of Muscle Cell Differentiation](#)

## Application Details

---

---

Application Notes: Optimal working dilution should be determined by the investigator.

---

Restrictions: For Research Use only

## Handling

---

---

Format: Liquid

---

Concentration: 0.25 mg/mL

---

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

---

Preservative: Sodium azide

---

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

---

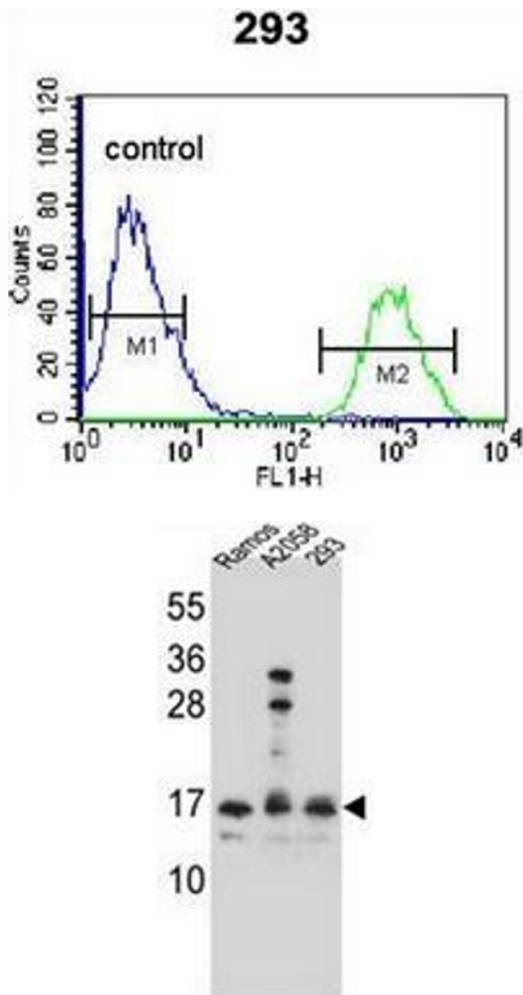
Handling Advice: Avoid repeated freezing and thawing.

---

Storage: 4 °C/-20 °C

---

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



### Flow Cytometry

**Image 1.** Flow cytometric analysis of 293 cells using Homeodomain-only protein / HOP Antibody (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** Western blot analysis of Homeodomain-only protein / HOP Antibody in Ramos,A2058,293 cell line lysates (35ug/lane). This demonstrates the HOPX antibody detected the HOPX protein (arrow).